

Express Mail : EL 501 636 976 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ish-Horowicz et al.

Application No.: To be assigned, divisional
application of Serial No. 08/981,392, filed
December 22, 1997

Art Unit: To be assigned

Filed: on even date herewith

Examiner: To be assigned

For: ANTIBODIES TO VERTEBRATE
DELTA PROTEINS AND
FRAGMENTS (as amended)

Attorney Docket No.: 7326-122

DECLARATION UNDER 37 C.F.R. § 1.68 AND M.P.E.P. 608.01(p)

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. § 1.68 and M.P.E.P. 608.01(p), the undersigned
Attorney representing the Applicants of the above-identified application declares as follows:

1. The following two references were each incorporated by reference into the
specification of the above-identified application as filed at page 29, lines 23-30 and page 30, line 21:

- a) Kohler and Milstein, 1975, Nature 256:495-497,
- b) Kozbor et al., 1983, Immunology Today 4:72-79,
- c) Huse et al., 1989, Science 246:1275-1281.

2. In the Preliminary Amendment under 37 C.F.R. § 1.115 filed concurrently herewith
in connection with the above-identified application, certain text from each of these references has
been inserted into the specification by amendment at page 29, line 26, page 29, line 28, page 29, line
33 and page 30, line 21. Specifically, Kozbor et al., 1983, Immunology Today 4:72-79 was
incorporated by reference at page 29, lines 26 and 33 of the specification with respect to the
description, at page 29, lines 23-30, for types of production of antibody molecules by continuous cell
lines. The actual text of the first sentence of the Abstract at page 72, and the actual text of the first
two sentences of the section entitled *Selection of antigen-specific cells* on page 76, left column have
been inserted into the specification on page 29, lines 26 and 33, respectively.

3. Additionally, Köhler and Milstein, 1975, Nature 256:495-197 was incorporated by
reference at page 29, line 28 of the specification with respect to the description, at page 29, lines 23-
30, for types of production of antibody molecules by continuous cell lines. The actual text of a
sentence on page 495, left column, has been inserted into the specification on page 29, line 28.

2025 RELEASE UNDER E.O. 14176

4. Further, Huss et al., 1989, Science 246:1275-1281 was incorporated by reference at page 30, line 21 of the specification with respect to the description, at page 30, lines 13-21, for the production of phage Fab expression libraries. The same subject matter as in the text from page 1277, left column, to page 1278, right column, has been inserted into the specification on page 30, line 21.

5. I hereby state that the amendatory material referred to in Paragraphs 2-4, above, that has been inserted into the specification at page 29, line 26, page 29, line 28, and page 29, line 33, consists of the same material incorporated by reference in the application as filed at page 29, lines 23-30, and the amendatory material referred to in Paragraphs 2-4, above, that has been inserted into the specification at page 30, line 21, consists of the same material incorporated by reference in the application as filed at page 30, lines 13-21.

6. I declare further that all statements made in this Declaration of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date February 15, 2001


Adriane M. Antler 32,605
(Reg. No.)

PENNIE & EDMONDS LLP
1155 Avenue of the Americas
New York, N.Y. 10036-2711
(212) 790-9090

DECLARATION
AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

NUCLEOTIDE AND PROTEIN SEQUENCES OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON

and for which a patent application:

is attached hereto and includes amendment(s) filed on _____ (if applicable)
 was filed in the United States on December 22, 1997 as Application No. 08/981,392 (for declaration not accompanying application)
 with amendment(s) filed on _____ (if applicable)
 was filed as PCT international Application No. PCT/US96/11178 on June 28, 1996 and was amended under PCT Article 19 on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE
60/000,589	June 28, 1995

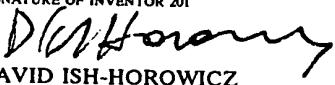
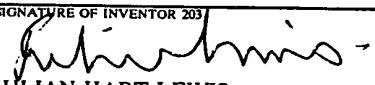
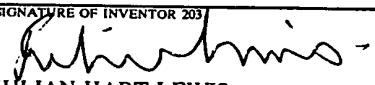
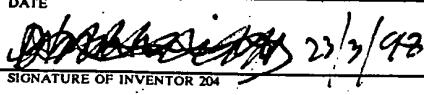
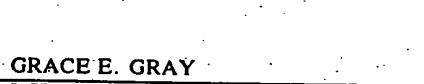
I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

POWER OF ATTORNEY: As a named inventor, I hereby appoint S. Leslie Misrock (Reg. No. 18872), Harry C. Jones, III (Reg. No. 20280), Berj A. Terzian (Reg. No. 20060), Gerald J. Flintoff (Reg. No. 20823), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614); Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Isaac Jarkovsky (Reg. No. 22713), Joseph V. Colaianni (Reg. No. 20019), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissani (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palik (Reg. No. 25510), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jénifer Gordon (Reg. No. 30753), Jon R. Stark (Reg. No. 30111), Allan A. Fanucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Ann L. Gisolfi (Reg. No. 31956), Mark A. Farley (Reg. No. 33170), and James G. Markey (Reg. No. 31636), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO: PENNIE & EDMONDS LLP 1155 AVENUE OF THE AMERICAS NEW YORK, N.Y. 10036-2711			DIRECT TELEPHONE CALLS TO: PENNIE & EDMONDS LLP DOCKETING (212) 790-2803		
201	FULL NAME OF INVENTOR	LAST NAME ISH-HOROWICZ	FIRST NAME DAVID	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY OXFORD	STATE OR FOREIGN COUNTRY ENGLAND	COUNTRY OF CITIZENSHIP UNITED KINGDOM	
	POST OFFICE ADDRESS	STREET 2 LOWER FISHER ROW	CITY OXFORD	STATE OR COUNTRY ENGLAND	ZIP CODE OX1 1JY
202	FULL NAME OF INVENTOR	LAST NAME HENRIQUE	FIRST NAME DOMINGOS	MIDDLE NAME MANUEL PINTO	
	RESIDENCE & CITIZENSHIP	CITY QUEIJAS	STATE OR FOREIGN COUNTRY PORTUGAL	COUNTRY OF CITIZENSHIP PORTUGAL	
	POST OFFICE ADDRESS	STREET RUA SAO JOAO BOSCO, 4	CITY QUEIJAS	STATE OR COUNTRY PORTUGAL	ZIP CODE 2795
203	FULL NAME OF INVENTOR	LAST NAME LEWIS	FIRST NAME JULIAN	MIDDLE NAME HART	
	RESIDENCE & CITIZENSHIP	CITY OXFORD	STATE OR FOREIGN COUNTRY ENGLAND	COUNTRY OF CITIZENSHIP UNITED KINGDOM	
	POST OFFICE ADDRESS	STREET 60 SANDFIELD ROAD	CITY OXFORD	STATE OR COUNTRY ENGLAND	ZIP CODE OX3 7RJ
204	FULL NAME OF INVENTOR	LAST NAME ARTAVANIS-TSAKONAS	FIRST NAME SPYRIDON	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY HAMDEN	STATE OR FOREIGN COUNTRY CONNECTICUT	COUNTRY OF CITIZENSHIP UNITED STATES OF AMERICA	
	POST OFFICE ADDRESS	STREET 192 RIDGEWOOD AVENUE	CITY HAMDEN	STATE OR COUNTRY CONNECTICUT	ZIP CODE 06517
205	FULL NAME OF INVENTOR	LAST NAME GRAY	FIRST NAME GRACE	MIDDLE NAME E.	
	RESIDENCE & CITIZENSHIP	CITY NEW HAVEN	STATE OR FOREIGN COUNTRY CONNECTICUT	COUNTRY OF CITIZENSHIP UNITED STATES OF AMERICA	
	POST OFFICE ADDRESS	STREET 815 WHITNEY AVENUE, APT. 4	CITY NEW HAVEN	STATE OR COUNTRY CONNECTICUT	ZIP CODE 06511

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201  DAVID ISH-HOROWICZ	SIGNATURE OF INVENTOR 202  DOMINGOS M.P. HENRIQUE	SIGNATURE OF INVENTOR 203  JULIAN HART LEWIS
DATE  23/3/98	DATE	DATE 23/3/98
SIGNATURE OF INVENTOR 204  SPYRIDON ARTAVANIS-TSAKONAS	SIGNATURE OF INVENTOR 205  GRACE E. GRAY	
DATE	DATE	

**DECLARATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

NUCLEOTIDE AND PROTEIN SEQUENCES OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON

and for which a patent application:

is attached hereto and includes amendment(s) filed on _____ (*if applicable*)
 was filed in the United States on December 22, 1997 as Application No. 08/981,392 (*for declaration not accompanying application*)
 with amendment(s) filed on _____ (*if applicable*)
 was filed as PCT international Application No. PCT/US96/11178 on June 28, 1996 and was amended under PCT Article 19 on _____ (*if applicable*)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE
60/000,589	June 28, 1995

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

POWER OF ATTORNEY: As a named inventor, I hereby appoint S. Leslie Misrock (Reg. No. 18872), Harry C. Jones, III (Reg. No. 210280), Berj A. Terzian (Reg. No. 20060), Gerald J. Flintoff (Reg. No. 20823), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Isaac Jarkovsky (Reg. No. 22713), Joseph V. Colaianni (Reg. No. 20019), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissani (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palik (Reg. No. 25510), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzz (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Jon R. Stark (Reg. No. 30111), Allan A. Fanucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 3083), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Ann L. Gisolfi (Reg. No. 31956), Mark A. Farley (Reg. No. 33170), and James G. Markey (Reg. No. 31636), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO:

PENNIE & EDMONDS LLP
1155 AVENUE OF THE AMERICAS
NEW YORK, N.Y. 10036-2711

DIRECT TELEPHONE CALLS TO:
PENNIE & EDMONDS LLP DOCKETING
(212) 790-2803

201	FULL NAME OF INVENTOR	LAST NAME ISH-HOROWICZ	FIRST NAME DAVID	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY OXFORD	STATE OR FOREIGN COUNTRY ENGLAND	COUNTRY OF CITIZENSHIP UNITED KINGDOM
	POST OFFICE ADDRESS	STREET 2 LOWER FISHER ROW	CITY OXFORD	STATE OR COUNTRY ENGLAND
202	FULL NAME OF INVENTOR	LAST NAME HENRIQUE	FIRST NAME DOMINGOS	MIDDLE NAME MANUEL PINTO
	RESIDENCE & CITIZENSHIP	CITY QUEIJAS	STATE OR FOREIGN COUNTRY PORTUGAL	COUNTRY OF CITIZENSHIP PORTUGAL
	POST OFFICE ADDRESS	STREET RUA SAO JOAO BOSCO, 4	CITY QUEIJAS	STATE OR COUNTRY PORTUGAL
203	FULL NAME OF INVENTOR	LAST NAME LEWIS	FIRST NAME JULIAN	MIDDLE NAME HART
	RESIDENCE & CITIZENSHIP	CITY OXFORD	STATE OR FOREIGN COUNTRY ENGLAND	COUNTRY OF CITIZENSHIP UNITED KINGDOM
	POST OFFICE ADDRESS	STREET 60 SANDFIELD ROAD	CITY OXFORD	STATE OR COUNTRY ENGLAND
204	FULL NAME OF INVENTOR	LAST NAME ARTAVANIS-TSAKONAS	FIRST NAME SPYRIDON	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY HAMDEN	STATE OR FOREIGN COUNTRY CONNECTICUT	COUNTRY OF CITIZENSHIP UNITED STATES OF AMERICA
	POST OFFICE ADDRESS	STREET 192 RIDGEWOOD AVENUE	CITY HAMDEN	STATE OR COUNTRY CONNECTICUT
205	FULL NAME OF INVENTOR	LAST NAME GRAY	FIRST NAME GRACE	MIDDLE NAME E.
	RESIDENCE & CITIZENSHIP	CITY NEW HAVEN	STATE OR FOREIGN COUNTRY CONNECTICUT	COUNTRY OF CITIZENSHIP UNITED STATES OF AMERICA
	POST OFFICE ADDRESS	STREET 815 WHITNEY AVENUE, APT. 4	CITY NEW HAVEN	STATE OR COUNTRY CONNECTICUT

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 DAVID ISH-HOROWICZ DATE	SIGNATURE OF INVENTOR 202 DOMINGOS M.P. HENRIQUE DATE 27-3-98	SIGNATURE OF INVENTOR 203 JULIAN HART LEWIS DATE
SIGNATURE OF INVENTOR 204 SPYRIDON ARTAVANIS-TSAKONAS DATE	SIGNATURE OF INVENTOR 205 GRACE E. GRAY DATE	

**DECLARATION
AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. underneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

NUCLEOTIDE AND PROTEIN SEQUENCES OF VERTEBRATE DELTA GENES AND METHODS BASED THEREON

and for which a patent application:

is attached hereto and includes amendment(s) filed on _____ (*if applicable*)
 was filed in the United States on December 22, 1997 as Application No. 08/981,392 (*for declaration not accompanying application*)
with amendment(s) filed on _____ (*if applicable*)
 was filed as PCT international Application No. PCT/US96/11178 on June 28, 1996 and was amended under PCT Article 19 on _____ (*if applicable*)

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code, §119(c) of any United States provisional application(s) listed below.

APPLICATION NUMBER	FILING DATE
60/000,589	June 28, 1995

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED

POWER OF ATTORNEY: As a named inventor, I hereby appoint S. Leslie Misrock (Reg. No. 18872), Harry C. Jones, III (Reg. No. 20280), Berj A. Terzian (Reg. No. 20060), Gerald J. Flintoff (Reg. No. 20823), David Weild, III (Reg. No. 21094), Jonathan A. Marshall (Reg. No. 24614), Barry D. Rein (Reg. No. 22411), Stanton T. Lawrence, III (Reg. No. 25736), Isaac Jarkovsky (Reg. No. 22713), Joseph V. Colaianni (Reg. No. 20019), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Brian D. Coggio (Reg. No. 27624), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), James N. Palik (Reg. No. 25510), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Jennifer Gordon (Reg. No. 30753), Jon R. Stark (Reg. No. 30111), Allan A. Fanucci (Reg. No. 30256), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Marcia H. Sundeen (Reg. No. 30893), Paul J. Zegger (Reg. No. 33821), Edmond R. Bannon (Reg. No. 32110), Bruce J. Barker (Reg. No. 33291), Adriane M. Antler (Reg. No. 32605), Ann L. Gisolfi (Reg. No. 31956), Mark A. Farley (Reg. No. 33170), and James G. Markey (Reg. No. 31636), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, and each of them, my attorneys, to prosecute this application, and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO:		PENNIE & EDMONDS LLP 1155 AVENUE OF THE AMERICAS NEW YORK, N.Y. 10036-2711		DIRECT TELEPHONE CALLS TO: PENNIE & EDMONDS LLP DOCKETING (212) 790-2803	
2 0 1	FULL NAME OF INVENTOR	LAST NAME ISH-HOROWICZ	FIRST NAME DAVID	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY OXFORD	STATE OR FOREIGN COUNTRY ENGLAND	COUNTRY OF CITIZENSHIP UNITED KINGDOM	
	POST OFFICE ADDRESS	STREET 2 LOWER FISHER ROW	CITY OXFORD	STATE OR COUNTRY ENGLAND	ZIP CODE OX1 1JY
2 0 2	FULL NAME OF INVENTOR	LAST NAME HENRIQUE	FIRST NAME DOMINGOS	MIDDLE NAME MANUEL PINTO	
	RESIDENCE & CITIZENSHIP	CITY QUEIJAS	STATE OR FOREIGN COUNTRY PORTUGAL	COUNTRY OF CITIZENSHIP PORTUGAL	
	POST OFFICE ADDRESS	STREET RUA SAO JOAO BOSCO, 4	CITY QUEIJAS	STATE OR COUNTRY PORTUGAL	ZIP CODE 2795
2 0 3	FULL NAME OF INVENTOR	LAST NAME LEWIS	FIRST NAME JULIAN	MIDDLE NAME HART	
	RESIDENCE & CITIZENSHIP	CITY OXFORD	STATE OR FOREIGN COUNTRY ENGLAND	COUNTRY OF CITIZENSHIP UNITED KINGDOM	
	POST OFFICE ADDRESS	STREET 60 SANDFIELD ROAD	CITY OXFORD	STATE OR COUNTRY ENGLAND	ZIP CODE OX3 7RJ
2 0 4	FULL NAME OF INVENTOR	LAST NAME ARTAVANIS-TSAKONAS	FIRST NAME SPYRIDON	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY HAMDEN	STATE OR FOREIGN COUNTRY CONNECTICUT	COUNTRY OF CITIZENSHIP UNITED STATES OF AMERICA	
	POST OFFICE ADDRESS	STREET 192 RIDGEWOOD AVENUE	CITY HAMDEN	STATE OR COUNTRY CONNECTICUT	ZIP CODE 06517
2 0 5	FULL NAME OF INVENTOR	LAST NAME GRAY	FIRST NAME GRACE	MIDDLE NAME E.	
	RESIDENCE & CITIZENSHIP	CITY NEW HAVEN	STATE OR FOREIGN COUNTRY CONNECTICUT	COUNTRY OF CITIZENSHIP UNITED STATES OF AMERICA	
	POST OFFICE ADDRESS	STREET 815 WHITNEY AVENUE, APT. 4	CITY NEW HAVEN	STATE OR COUNTRY CONNECTICUT	ZIP CODE 06511

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 DAVID ISH-HOROWICZ DATE	SIGNATURE OF INVENTOR 202 DOMINGOS M.P. HENRIQUE DATE	SIGNATURE OF INVENTOR 203 JULIAN HART LEWIS DATE
SIGNATURE OF INVENTOR 204 SPYRIDON ARTAVANIS-TSAKONAS DATE 4/4/98	SIGNATURE OF INVENTOR 205 GRACE E. GRAY DATE 4/6/98	